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Minimum Qualification Specifications
for the Class:

AUTOMOTIVE TECHNICIAN I

Prerequisite Knowledge and Abilities Required:

Knowledge of: Practices, tools, materials, and computerized equipment used in the automotive trade (e.g., scanning instrument, oscilloscope, digital voltmeter, etc.); occupational hazards and safety measures applicable to the trade; principles of automotive electricity and electronics (e.g., OHM's law, series circuits, parallel circuits, and the theory and operation of semiconductors, capacitors, resistors, diodes, and thermistors, etc.); automotive microprocessor systems (i.e., how the systems work, how various values of sensors respond, and how they are interrelated); principles of internal combustion engines and automotive systems and parts and how they are interrelated; and procedures for analyzing and diagnosing defects.

Ability to: Diagnose vehicle problems utilizing computerized diagnostic equipment and a knowledge of the limitations of the diagnostic equipment; estimate materials, parts and labor necessary to perform any major overhaul; operate various machines and equipment used in adjusting, maintaining and repairing vehicles; locate, adjust, replace and repair components for microprocessor-based systems (e.g., anti-lock brakes, engine/fuel management systems, etc.) and mechanical defects on motor vehicles; understand oral and written instructions; read and comprehend vehicle repair manuals and electrical and electronic circuits and schematics relating to engine management systems; and operate a motor vehicle.

Experience Requirements:

Except for the substitutions provided for in this specification, applicants must have had progressively responsible experience of the kind and quality described in the statements below and in the amounts shown below, or any equivalent combination of training and experience.

Specialized Experience: Four (4) years of work experience which involved the performance of automotive repair work under a journey-level automotive mechanic. At least two (2) years of the required experience must also have involved utilizing computerized equipment to test, analyze, diagnose, and complete repairs of microprocessor-based systems and components on motor vehicles.

Substitutions Allowed:

Possession of an Associate's degree in Automotive Mechanics Technology from an accredited community college may be substituted for two (2) years of the required automotive repair experience; however, it may not be substituted for the required two (2) years of experience involving the use of computerized equipment to test, analyze, diagnose and complete repairs of microprocessor-based systems.

Quality of Experience:

Possession of the required number of years of experience will not in itself be accepted as proof of qualification for a position. The applicant's overall experience must have been of such scope and level of responsibility as to conclusively demonstrate that he/she has the ability to perform the duties of the position for which he/she is being considered.

License Required:

Applicants must possess a valid license to drive in the State of Hawaii.

Selective Certification:

Specialized knowledge, skills and abilities may be required to perform the duties of some positions. In such positions, certification may be restricted to eligibles who possess the pertinent experience and/or training required to perform the duties of the position.

Agencies requesting selective certification must show the connection between the kind of training and/or experience on which they wish to base selective certification and the duties of the position to be filled.

Tests:

Applicants may be required to qualify on an appropriate examination.

Physical and Medical Requirements:

Applicants must be physically able to perform, efficiently and effectively, the essential duties of the position which typically require the ability to stand, stoop, bend, and work in cramped spaces for extended periods of time; distinguish colors; lift and carry up to fifty (50) pounds; read without strain

printed material the size of typewritten characters, glasses permitted; and the ability to hear the conversational voice, with or without a hearing aid, or the ability to compensate satisfactorily. Disabilities in these or other areas will not automatically result in disqualification. Those applicants who demonstrate that they are capable of performing the essential functions of the position will not be disqualified under this section.

Any condition which would cause applicants to be a hazard to themselves or others is cause for disqualification.

Any disqualification under this section will be made only after a review of all pertinent information including the results of the medical examination, and requires the approval of the Director.

Mental/Emotional Requirements:

All applicants must possess emotional and mental stability appropriate to the job duties and responsibilities and working conditions.

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This is the first minimum qualification specification for the new class AUTOMOTIVE TECHNICIAN.

Note: Change title from AUTOMOTIVE TECHNICIAN to AUTOMOTIVE TECHNICIAN I per circular 01-03.

DATE APPROVED: 11/6/98

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